

Yorkshire Dales National Park

Forecast valid from 00:00 on Saturday 23 Dec 2023 until 23:59 on Sunday 24 Dec 2023

Forecast Issued on Friday 22 Dec 2023 at 14:26

Confidence: High confidence for a continuation of windy conditions over Christmas, winds easing for Boxing day. Confidence is lower for amount of showers and rainfall over the weekend. Perhaps a colder spell around the 27th December.

Headline for Saturday 23 Dec 2023: Outbreaks of rain, heavy at times, perhaps drier during the morning but widespread gales likely, often poor visibility.

Mountain weather hazards on Saturday 23 Dec 2023		
Blizzards No Likelihood	Heavy persistent snow No Likelihood	Storm force winds No Likelihood
Gales High Likelihood	Severe chill effect Low Likelihood	Poor visibility Medium Likelihood
Thunderstorms No Likelihood	Heavy persistent rain No Likelihood	Strong sunlight No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
							
Heavy Rain	Light rain	Dull	Dull	Light rain	Light rain	Heavy Rain	Heavy Rain
Precipitation probability							
30%	60%	40%	40%	60%	60%	80%	80%

Forecast for Saturday 23 Dec 2023

Weather: Rain will be persistent at times early on Saturday but easing and becoming light and patchy through daylight hours. Remaining overcast and quite dull with gales throughout the day, perhaps the odd brighter spell towards the east of the Yorkshire Dales. Heavier returning during the afternoon.

Chance of cloud-free hill tops above 600m: 50% decreasing to 30% during the day. Extensive low cloud due to rain.

Low Cloud and visibility: Low cloud will affect the area for much of the day becoming more extensive during the morning. Layers of broken cloud above 400m can be expected, perhaps a few breaks further south and east during the morning. Visibility will also be moderate or poor at times during heavier rain with limited views expected at height.

Forecast for Saturday 23 Dec 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	31/42 W	34/47 W	33/47 W	28/40 W	30/42 W	30/42 W	31/45 W	36/51 SW	33/48 W
300	18/39 W	20/42 W	21/43 W	17/37 W	19/40 W	21/42 W	21/42 W	21/43 SW	21/42 W
Valley	16/36 W	17/37 W	14/34 W	15/33 W	16/34 W	17/36 W	16/36 W	17/38 SW	18/38 W

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	5/-1	5/-1	5/-2	5/-1	6/-0	6/0	6/0	6/0	8/2
300	7/2	7/3	7/3	7/3	8/3	8/3	8/3	8/4	9/5
Valley	8/4	9/5	9/6	9/5	9/6	9/6	9/6	9/6	10/7
Freezing Level*	1600m	1600m	1500m	2200m	2200m	2200m	2200m	2900m	2700m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Another very windy day with gales at height. Feeling cold in rain and very strong winds.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Fri 22 Dec 2023	9.2mm	38.2mm	51.2mm

Forecast for Sunday 24 Dec 2023

Weather: Light overnight rain will ease with a few bright spells at first. Turning showery during Christmas Eve and showers often grouping together to give longer spells of rain. Showers will be blustery with strong winds expected again. Gales, perhaps severe gales on the higher ground making progress walking difficult with windchill increasing later in the day.

Maximum wind: Southwesterly 30-35mph with gusts 50-55mph.

Chance of cloud-free hill tops above 600m: 40% increasing to 60% during the day.

Low Cloud and visibility: Scattered or broken cloud above 500m will lift and clear during the day, perhaps thickening and lowering in showers or any longer periods of rain. Visibility will be moderate or poor initially but will be good out with showers later.

Temperature: **Valleys:** Plus 12 falling to 8 Celsius.
At 600m: Plus 8 falling to 3 Celsius.
Freezing level: Above all summits falling to 1000m.